



# ***STIC Search Report***

**EIC 2800**

**STIC Database Tracking Number: 169016**

**TO: Evelyn Lester  
Location: JEF-3C05  
Art Unit : 2873  
Wednesday, October 19, 2005  
  
Case Serial Number: 09/554135**

**From: Darcy Bates  
Location: EIC 2800  
JEF- 4B68  
Phone: 571-272-2540  
  
darcy.bates@uspto.gov**

## **Search Notes**

**Re: 09/554,135 US 6,324,014**

**Attached are search results.**

**No U. S. litigation was found in searches of  
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please let  
me know.**

**Thanks,**

**Darcy Bates**

**Bates, Darcy**

---

**From:** Lester, Evelyn  
**Sent:** Tuesday, October 18, 2005 2:57 PM  
**To:** STIC-EIC2800  
**Subject:** Litigation Search

Hello,

I am in need of a litigation search for a reissue application 10/720,004 and for a patented case, Pat. # 6,324,014 (Serial Number 09/554,135).

Thank you very much!

Evelyn A. Lester  
Primary Examiner  
AU 2873  
JEF 3C05  
(571) 272-2332

P.S. If this is not the correct place to request a litigation search, can you tell me who I should ask? Thanks.

## PALM INTRANET

Day : Tuesday  
Date: 10/18/2005  
Time: 15:46:52

## Application Number Information

Application Number: 09/554135 Assignments

Filing or 371(c) Date: 05/10/2000

Effective Date: 05/10/2000

Application Received: 05/10/2000

Patent Number: 6324014

Issue Date: 11/27/2001

Date of Abandonment: 00/00/0000

Attorney Docket Number: USPL-64

Status: 150 /PATENTED CASE

Confirmation Number: 8245

Examiner Number: 69399 / LESTER, EVELYNGroup Art Unit: 2873

Class/Subclass: 359/651.000

Lost Case: NO

Interference Number:

Unmatched Petition: NO

L&R Code: Secrecy Code: 1

Third Level Review: NO

Secrecy Order: NO

Status Date: 11/09/2001

Oral Hearing: NO

Title of Invention: **WIDE FIELD OF VIEW PROJECTION LENSES FOR COMPACT PROJECTION LENS SYSTEMS EMPLOYING PIXELIZED PANELS**

Bar Code	PALM Location	Location Date	Charge to Loc	Charge to Name	Employee Name	Location
09554135	28M1	10/18/2005	28E1	No Charge to Name	NGO, CHAU	JEF/00/C 05

Appln Info Contents Petition Info Atty/Agent Info Continuity Data Foreign Data Inventors Address

Search Another: Application#  Search or Patent#  Search  
PCT /  /  Search or PG PUBS #  Search  
Attorney Docket #  Search  
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PALM INTRANET

Day : Tuesday  
Date: 10/18/2005  
Time: 15:46:57

## Continuity Information for 09/554135

### Parent Data

09554135

is a national stage entry of PCT/US98/23937 International Filing Date: 11/10/1998

Which Claims Priority from Provisional Application 60065308

Which Claims Priority from Provisional Application 60065308

### Child Data

10720004 is a reissue of 09554135

[Appln Info](#)[Contents](#)[Petition Info](#)[Atty/Agent Info](#)**Continuity  
Data**[Foreign Data](#)[Inventors](#)[Address](#)

Search Another: Application#

or Patent#

PCT /

or PG PUBS #

Attorney Docket #

Bar Code #

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Patent Search - Number: 6,324,014

No cases containing this patent number were found.

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(Charges for search still apply)

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Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) Terms: **patno=6324014** ([Edit Search](#) | [Suggest Terms for My Search](#))

554135 (09) 6324014 November 27, 2001

## UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

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[Link to Claims Section](#)

November 27, 2001

Wide field of view projection lenses for compact projection lens systems employing pixelized panels

**REISSUE:** November 21, 2003 - Reissue Application filed Ex. Gp.: 2873; Re. S.N. 10/720,004 (O.G. April 20, 2004)**INVENTOR:** Moskovich, Jacob - Cincinnati, Ohio**APPL-NO:** 554135 (09)**FILED-DATE:** May 10, 2000**GRANTED-DATE:** November 27, 2001**ASSIGNEE-AT-ISSUE:** Corning Precision Lens, Cincinnati, Ohio, 02**ASSIGNEE-AFTER-ISSUE:** February 18, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., 3M INNOVATIVE PROPERTIES COMPANY P.O. BOX 33427 ST. PAUL MINNESOTA 55133-3427, Reel and Frame Number: 13429/0259

February 18, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., 3M PRECISION OPTICS, INC. 3997 MCMANN ROAD CINCINNATI OHIO 45245, Reel and Frame Number: 13429/0359

**LEGAL-REP:** Klee, Maurice M. - ##0**PUB-TYPE:** November 27, 2001 - Utility Patent having no previously published pre-grant publication (B1)**PUB-COUNTRY:** United States (US)**PCT-FILED-DATE:** November 10, 1998**PCT-APPL-NO:** US9823937**PCT-PUB-PAT-NO:** WO 99/26090**PCT-PUB-DATE:** May 27, 1999**SECT-371-DATE:** May 10, 2000


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Syntax	Definition
<a href="#">and</a>	and
<a href="#">or</a>	or
<a href="#">w/N</a>	within N words
<a href="#">not w/N</a>	not within N words
<a href="#">pre /N</a>	precedes by N words
<a href="#">w/p</a>	in same paragraph
<a href="#">not w/p</a>	not in same paragraph
<a href="#">w/seg</a>	in same segment
<a href="#">not w/seg</a>	not in same segment
<a href="#">w/s</a>	in same sentence
<a href="#">not w/s</a>	not in same sentence
<a href="#">and not</a>	and not
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Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us6324014/pn

\*\* SS 3: Results 1

Search statement 4

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US6324014 B1 20011127 [US6324014]  
TI - (B1) Wide field of view projection lenses for compact projection  
lens systems employing pixelized panels  
PA - (B1) CORNING PREC LENS (US)  
PAO - Corning Precision Lens, Cincinnati OH [US]  
IN - (B1) MOSKOVICH JACOB (US)  
AP - US55413500 20000510 [2000US-0554135]  
FD - Rel. Prov. 60/065,308 19971113 [1997US-P065308]  
PCT/US98/23937 19981110 [1998WO-US23937]  
WO99/26090 19990527 [WO9926090]  
PR - US55413500 20000510 [2000US-0554135]  
US6530897P 19971113 [1997US-P065308]  
WOUS9823937 19981110 [1998WO-US23937]  
IC - (B1) G02B-003/00 G02B-013/18  
EC - G02B-013/06  
G02B-013/18  
G02B-027/18  
PCL - ORIGINAL (O) : 359651000; CROSS-REFERENCE (X) : 359649000  
359716000 359717000  
DT - Basic  
CT - USRe35310; US4189211; US4425028; US4461542; US4767199; US4778264;  
US4801196; US4826311; US5042929; US5179473; US5200861; US5218480;  
US5278698; US5313330; US5319495; US5331462; US5493446; US5625495;  
US5644435; US5812326; US5822128; US5822129; US5841587; US5870228;  
US5900987; US5900989; US5963375; US5969874; US5969876; US5991089;  
US6023375; EP311116; WO9908138  
The Handbook of Plastic Optics, U.S. Precision Lens, Inc.,  
Cincinnati, Ohio, 1983, pp. 17-29.  
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001  
AB - A projection lens for use with LCD panels is provided. The lens  
has a first lens unit which includes a strong negative lens  
element having an aspherical surface which provides distortion  
correction, and a second lens unit which includes a first lens  
subunit separated by an airspace from a second lens subunit,  
wherein the first lens subunit has a strong positive power and the  
second lens subunit has a weaker power. The second lens subunit  
can include a negative lens element, followed by a positive lens  
element, followed by a plastic lens element having an aspherical  
surface. The projection lens has a field of view of at least 35



10/19/05

US'6,324,014

09/554135

(degree) so that the overall projection lens system has a compact size.  
UP - 2001-49

1 / 1 LGST - ©EPO  
PN - US6324014 B1 20011127 [US6324014]  
AP - US55413500 20000510 [2000US-0554135]  
ACT - 20030218 US/AS-A  
ASSIGNMENT  
OWNER: 3M INNOVATIVE PROPERTIES COMPANY P.O. BOX 33427ST.;  
EFFECTIVE DATE: 20030212  
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:3M PRECISION OPTICS,  
INC.;REEL/FRAME:013429/0259

20030218 US/AS-A  
ASSIGNMENT  
OWNER: 3M PRECISION OPTICS, INC. 3997 MCMANN ROADCINCINNA;  
EFFECTIVE DATE: 20021213  
CHANGE OF NAME;ASSIGNOR:CORNING PRECISION LENS,  
INC.;REEL/FRAME:013429/0359

20040420 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031121  
UP - 2004-53

1 / 1 CRXX - ©CLAIMS/RRX  
AN - 3612269  
PN - 6,324,014 A 20011127 [US6324014]  
PA - Corning Precision Lens  
PT - E (Electrical)  
ACT - 20030218 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: 3M PRECISION OPTICS, INC., DATE SIGNED: 02/12/2003

Assignee: 3M INNOVATIVE PROPERTIES COMPANY, P.O. BOX 33427, ST.  
PAUL, MINNESOTA, 55133-3427

Reel 013429/Frame 0259

Contact: 3M INNOVATIVE PROPERTIES COMPANY, BRUCE E. BLACK, PO BOX  
33427, ST. PAUL, MN 55133-3427

20030218 REASSIGNED  
CHANGE OF NAME

Assignor: CORNING PRECISION LENS, INC., DATE SIGNED: 12/13/2002

Assignee: 3M PRECISION OPTICS, INC., 3997 MCMANN ROAD, CINCINNATI,  
OHIO, 45245

Reel 013429/Frame 0359

Contact: 3M INNOVATIVE PROPERTIES COMPANY, BRUCE E. BLACK, OFFICE  
OF INTELLECTUAL PROPERTY COUNSEL, P.O. BOX 33427, ST. PAUL,  
MINNESOTA 55133-3427

20031121 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20040420  
REISSUE REQUEST NUMBER: 10/720004  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2873

Reissue Patent Number:

UP - 2003-19  
UACT- 2004-04-20

Search statement 4

Query/Command : fam us6324014/pn

1 Patent Groups  
\*\* SS 4: Results 6

Search statement 5

Query/Command : famstate nonstop

1 / 6 PLUSPAT - @QUESTEL-ORBIT  
PN - CN1278925 A 20010103 [CN1278925]  
STG - (A) Unexamined application  
TI - (A) Wide field of view projection lenses for compact projection  
lens systems employing pixelized panels  
PA - (A) U S PREC LENS INC (US)  
IN - (A) MOSKOVICH J (US)  
IC - (A) G02B-003/00 G02B-003/02 G02B-015/14  
PN2 - CN1169001 C 20040929 [CN1169001C]  
STG2- (C) Granted patent  
TI2 - (C) Wide field of view projection lenses for compact projection  
lens systems employing pixelized panels  
PA2 - (C) U S PREC LENS INC (US)  
IN2 - (C) MOSKOVICH J (US)  
IC2 - (C) G02B-003/00 G02B-003/02 G02B-015/14  
AP - CN98811140 19981110 [1998CN-0811140]  
PR - US6530897P 19971113 [1997US-P065308]  
UP - 2005-08

2 / 6 PLUSPAT - @QUESTEL-ORBIT  
PN - EP1031050 A1 20000830 [EP1031050]  
STG - (A1) Public. Of applic. With search report  
TI - (A1) WIDE FIELD OF VIEW PROJECTION LENSES FOR COMPACT PROJECTION  
LENS SYSTEMS EMPLOYING PIXELIZED PANELS

OTI - (A1) WEITWINKELPROJEKTIONSLINSEN FUR KOMPakte PROJEKTIONSYSTEME  
MIT AUS PIXELN BESTEHENDEN ANZEIGETAFELN  
(A1) LENTILLES DE PROJECTION A GRAND ANGLE DESTINEES A DES  
SYSTEMES DE PROJECTION COMPACTS A LENTILLES  
PA - (A1) US PRECISION LENS INC (US)  
IN - (A1) MOSKOVICH JACOB (US)  
IC - (A1) G02B-013/18  
PN2 - EP1031050 A4 20040609 [EP1031050]  
STG2- (A4) Publ. Of suppl. search report.  
TI2 - (A4) WIDE FIELD OF VIEW PROJECTION LENSES FOR COMPACT PROJECTION  
LENS SYSTEMS EMPLOYING PIXELIZED PANELS  
OTI2- (A4) WEITWINKELPROJEKTIONSLINSEN FUR KOMPakte PROJEKTIONSYSTEME  
MIT AUS PIXELN BESTEHENDEN ANZEIGETAFELN  
(A4) LENTILLES DE PROJECTION A GRAND ANGLE DESTINEES A DES  
SYSTEMES DE PROJECTION COMPACTS A LENTILLES  
PA2 - (A4) 3M INNOVATIVE PROPERTIES CO (US)  
IN2 - (A4) MOSKOVICH JACOB (US)  
IC2 - (A4) G02B-013/18  
LA - ENGLISH (ENG)  
AP - EP98957761 19981110 [1998EP-0957761]  
PR - WO9823937 19981110 [1998WO-US23937]  
US6530897P 19971113 [1997US-P065308]  
DS - DE ES FR GB  
UP - 2000-35

1 / 1 LEGALI - ©EPO

PN - EP1031050 A1 20000830 [EP1031050]EP1031050 A4 20040609 [EP1031050]

AP - EP98957761 19981110 [1998EP-0957761]

ACTE- 20000830 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE ES FR GB

20000830 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 20000509

20030827 EP/RAP1-A  
APPLICANT REASSIGNMENT (CORRECTION)  
OWNER: 3M INNOVATIVE PROPERTIES COMPANY

20040609 EP/A4-A [+]  
SUPPLEMENTARY SEARCH REPORT  
EFFECTIVE DATE: 20040427

20040609 EP/RIC1-A  
CLASSIFICATION (CORRECTION)  
7 G02B-013/18 A

20041201 EP/17Q-A  
FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 20041018

UP - 2004-49

3 / 6 PLUSPAT - ©QUESTEL-ORBIT

PN - JP2001523836 T 20011127 [JP2001523836]

STG - (T) Unexam. Pat. Appl. On foreign appl.

IC - (T) G02B-013/16 G02B-013/18 G02B-015/16

AP - JP2000521399T 19981110 [2000JP-0521399]

PR - US6530897P 19971113 [1997US-P065308]

WOUS9823937 19981110 [1998WO-US23937]  
UP - 2002-01

4 / 6 PLUSPAT - @QUESTEL-ORBIT  
PN - TW436638 B 20010528 [TW-436638]  
STG - (B) Patent  
TI - (B) Wide field of view projeciton lenses for compact projection  
lens systems employing pixelized panels  
PA - (B) CORNING INC (US)  
IN - (B) MOSKOVICH JACOB (US)  
IC - (B) G02B-009/12 G02B-013/18  
AP - TW87119942 19981130 [1998TW-0119942]  
PR - US6530897P 19971113 [1997US-P065308]  
UP - 2001-45

1 / 1 LEGALI - @EPO  
PN - TW436638 B 20010528 [TW-436638]  
AP - TW87119942 19981130 [1998TW-0119942]  
ACTE- 20011127 TW/GD4A-A [+]  
ISSUE OF PATENT CERTIFICATE FOR GRANTED INVENTION PATENT  
UP - 2004-28

5 / 6 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US6324014 B1 20011127 [US6324014]  
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001  
TI - (B1) Wide field of view projection lenses for compact projection  
lens systems employing pixelized panels  
PA - (B1) CORNING PREC LENS (US)  
PAO - Corning Precision Lens, Cincinnati OH [US]  
IN - (B1) MOSKOVICH JACOB (US)  
IC - (B1) G02B-003/00 G02B-013/18  
AP - US55413500 20000510 [2000US-0554135]  
PR - US55413500 20000510 [2000US-0554135]  
US6530897P 19971113 [1997US-P065308]  
WOUS9823937 19981110 [1998WO-US23937]  
EC - G02B-013/06  
G02B-013/18  
G02B-027/18  
PCL - ORIGINAL (O) : 359651000; CROSS-REFERENCE (X) : 359649000  
359716000 359717000  
DT - Basic  
UP - 2001-49

1 / 1 LEGALI - @EPO  
PN - US6324014 B1 20011127 [US6324014]  
AP - US55413500 20000510 [2000US-0554135]  
ACTE- 20030218 US/AS-A  
ASSIGNMENT  
OWNER: 3M INNOVATIVE PROPERTIES COMPANY P.O. BOX 33427ST.;  
EFFECTIVE DATE: 20030212  
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:3M PRECISION OPTICS,  
INC.;REEL/FRAME:013429/0259

20030218 US/AS-A  
ASSIGNMENT

10/19/05

US 6,324,014

09/554135

OWNER: 3M PRECISION OPTICS, INC. 3997 MCMANN ROAD CINCINNATI;  
EFFECTIVE DATE: 20021213  
CHANGE OF NAME; ASSIGNOR: CORNING PRECISION LENS,  
INC.; REEL/FRACTION: 013429/0359

20040420 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031121

UP - 2004-53

6 / 6 PLUSPAT - @QUESTEL-ORBIT - image  
PN - WO9926090 A1 19990527 [WO9926090]  
STG - (A1) Publ. Of int. Appl. With int. Search rep  
TI - (A1) WIDE FIELD OF VIEW PROJECTION LENSES FOR COMPACT PROJECTION  
LENS SYSTEMS EMPLOYING PIXELIZED PANELS  
OTI - (A1) LENTILLES DE PROJECTION A GRAND ANGLE DESTINEES A DES  
SYSTEMES DE PROJECTION COMPACTS A LENTILLES  
PA - (A1) US PRECISION LENS INC (US); MOSKOVICH JACOB (US)  
PAO - U.S. PRECISION LENS INCORPORATED ; 4000 McMann Road Cincinnati, OH  
45245 (US) (except US)  
MOSKOVICH, Jacob ; 3891 Blackwood Court Cincinnati, OH 45236 (US)  
(only US)  
IN - (A1) MOSKOVICH JACOB (US)  
IC - (A1) G02B-003/00 G02B-003/02 G02B-015/14  
LA - ENGLISH (ENG)  
AP - WO9926090 19981110 [1998WO-US23937]  
PR - US6530897P 19971113 [1997US-P065308]  
EC - G02B-013/06  
G02B-013/18  
DS - CN; JP; KR; US; European Patent (AT; BE; CH; CY; DE; DK; ES; FI;  
FR; GB; GR; IE; IT; LU; MC; NL; PT; SE)  
DT - Basic

1 / 1 LEGALI - @EPO  
PN - WO9926090 A1 19990527 [WO9926090]  
AP - WO9926090 19981110 [1998WO-US23937]  
ACTE- 19990527 WO/AK [+]  
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH  
REPORT  
CN JP KR US  
  
19990527 WO/AL [+]  
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED  
APPLICATION WITH SEARCH REPORT  
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
  
19990728 WO/121  
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN  
THIS APPLICATION  
  
19990805 WO/DFPE  
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF  
19TH MONTH FROM PRIORITY DATE  
  
20000510 WO/ENP  
ENTRY INTO THE NATIONAL PHASE IN:  
US 2000 554135A 20000510 [2000US-0554135]  
  
20000510 WO/ENP

10/19/05

US 6,324,014

09/554135

ENTRY INTO THE NATIONAL PHASE IN:  
KR 2000 2000705112A [2000KR-0705112]

20000515 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:  
JP 2000 521399A [2000JP-0521399]

UP - 2003-22


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### Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

#### Syntax Definition

<a href="#">and</a>	and
<a href="#">or</a>	or
<a href="#">w/N</a>	within N words
<a href="#">not w/N</a>	not within N words
<a href="#">pre /N</a>	precedes by N words
<a href="#">w/p</a>	in same paragraph
<a href="#">not w/p</a>	not in same paragraph
<a href="#">w/seg</a>	in same segment
<a href="#">not w/seg</a>	not in same segment
<a href="#">w/s</a>	in same sentence
<a href="#">not w/s</a>	not in same sentence
<a href="#">and not</a>	and not

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[History](#) | [Delivery Manager](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)  
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"6324014 or 6,324,014 "

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- Use more common search terms, such as those listed in "Suggested Words and Concepts"
- Use a less restrictive date range.

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### Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

Syntax	Definition
<a href="#">and</a>	and
<a href="#">or</a>	or
<a href="#">w/N</a>	within N words
<a href="#">not w/N</a>	not within N words
<a href="#">pre /N</a>	precedes by N words
<a href="#">w/p</a>	in same paragraph
<a href="#">not w/p</a>	not in same paragraph
<a href="#">w/seg</a>	in same segment
<a href="#">not w/seg</a>	not in same segment
<a href="#">w/s</a>	in same sentence
<a href="#">not w/s</a>	not in same sentence
<a href="#">and not</a>	and not
<a href="#">View Search Comman</a>	

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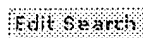
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Suggestions:

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#### Syntax Definition

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